

FIG. 1

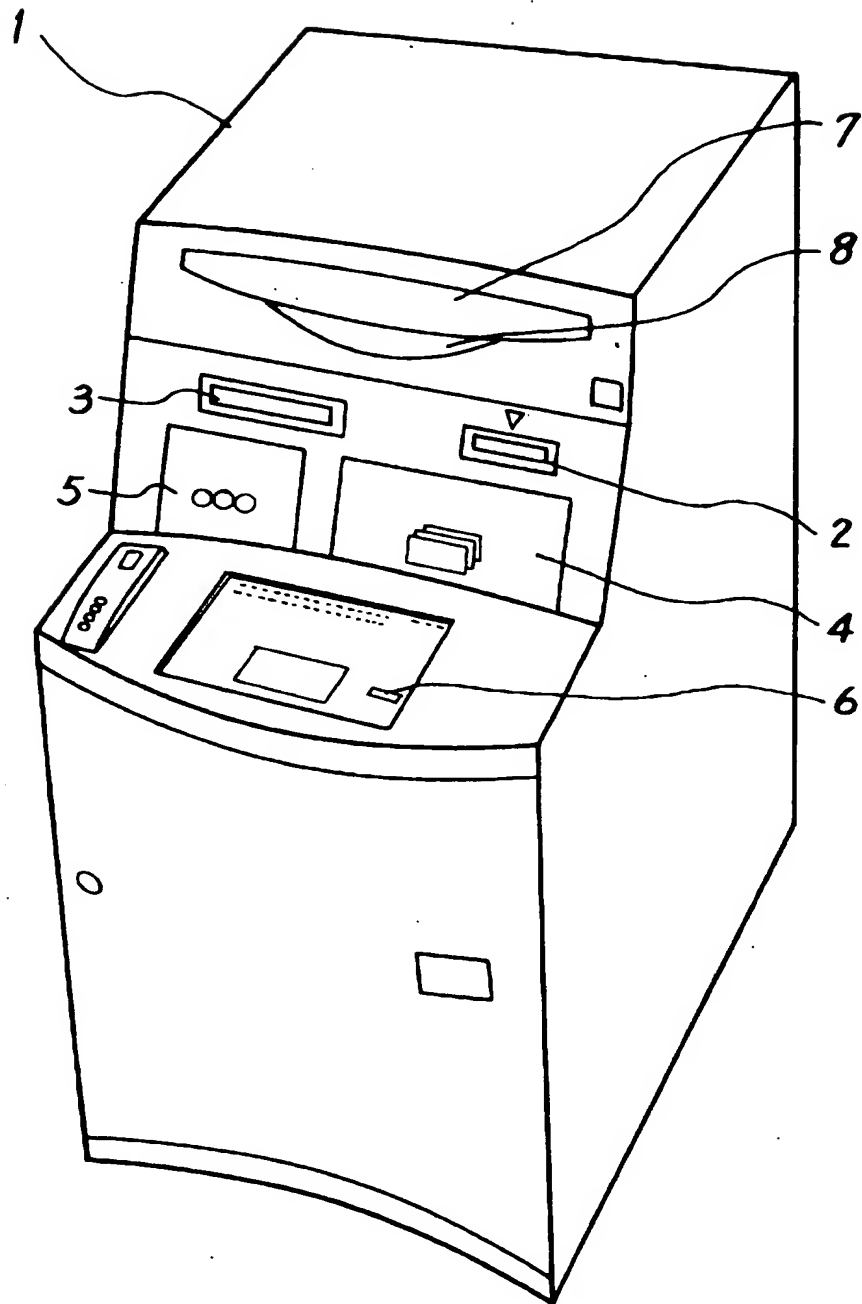


FIG. 2

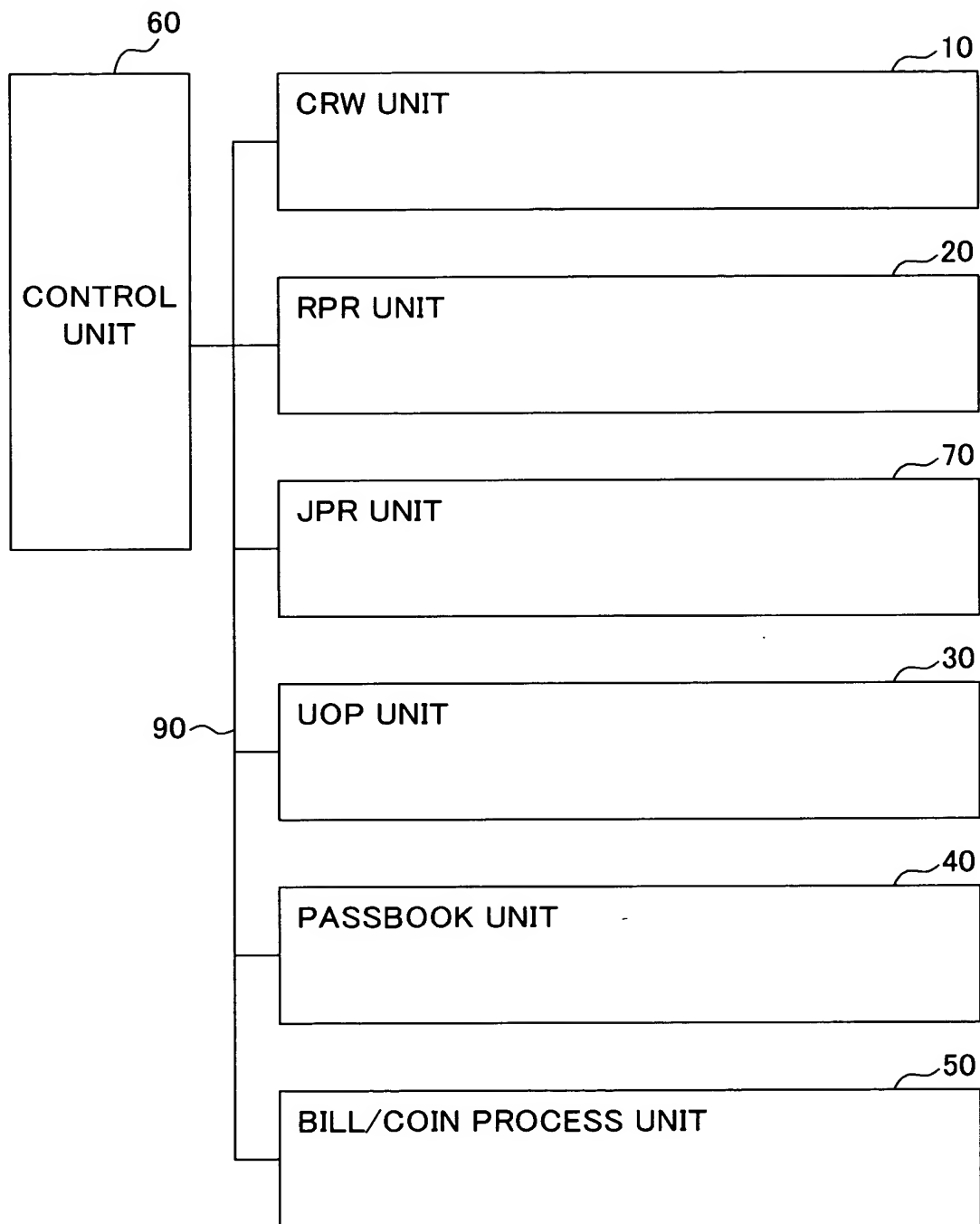
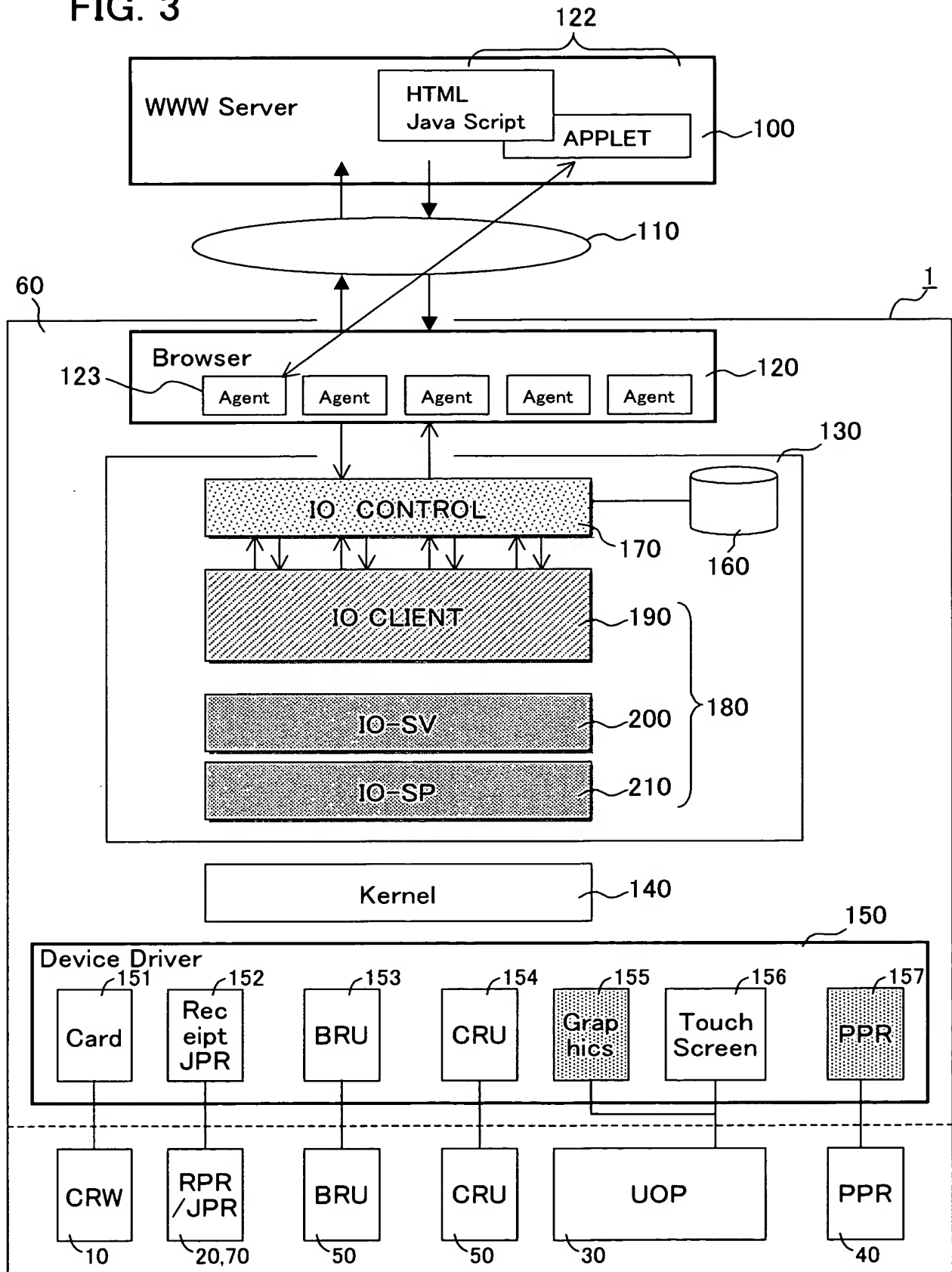


FIG. 3



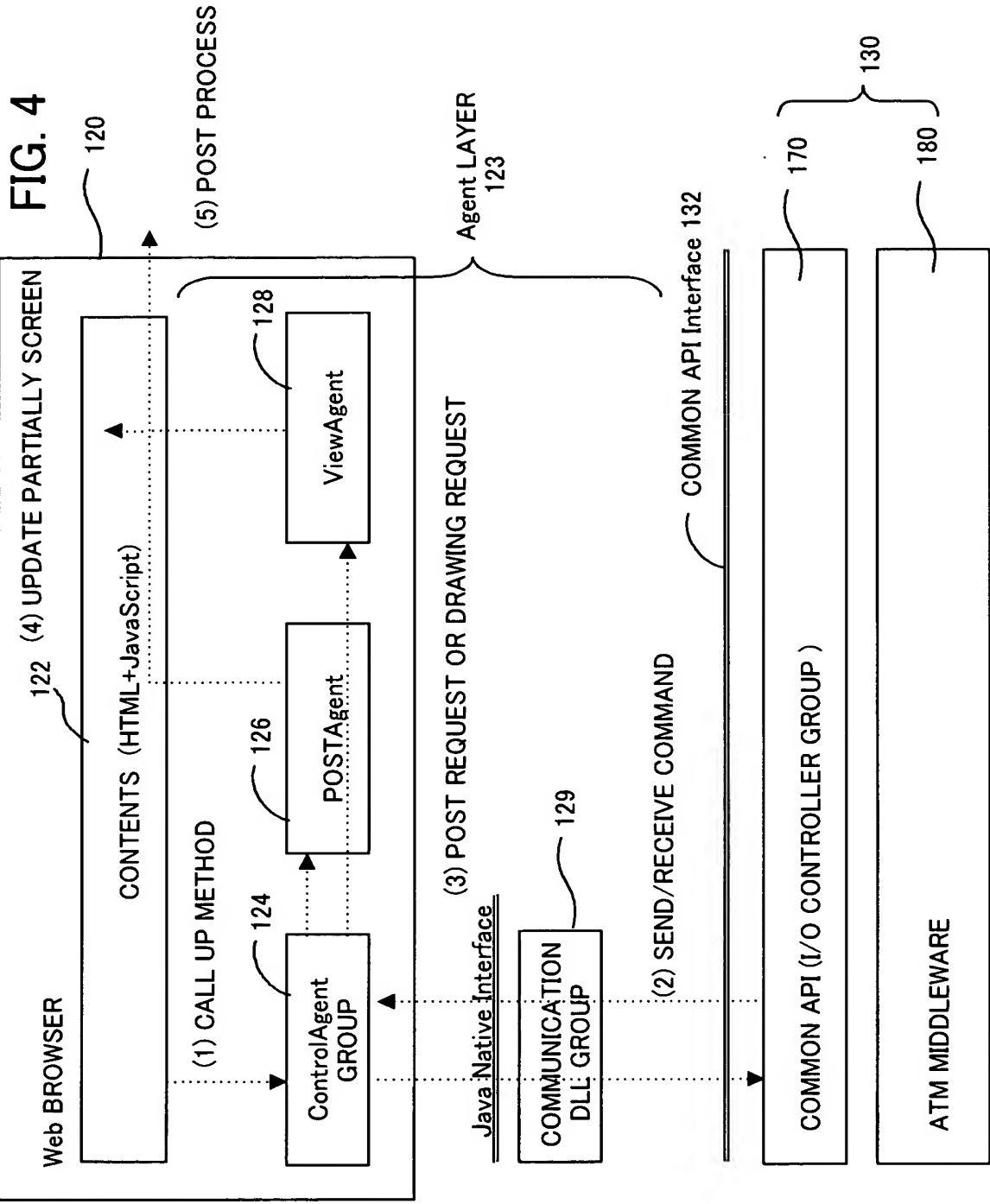


FIG. 5

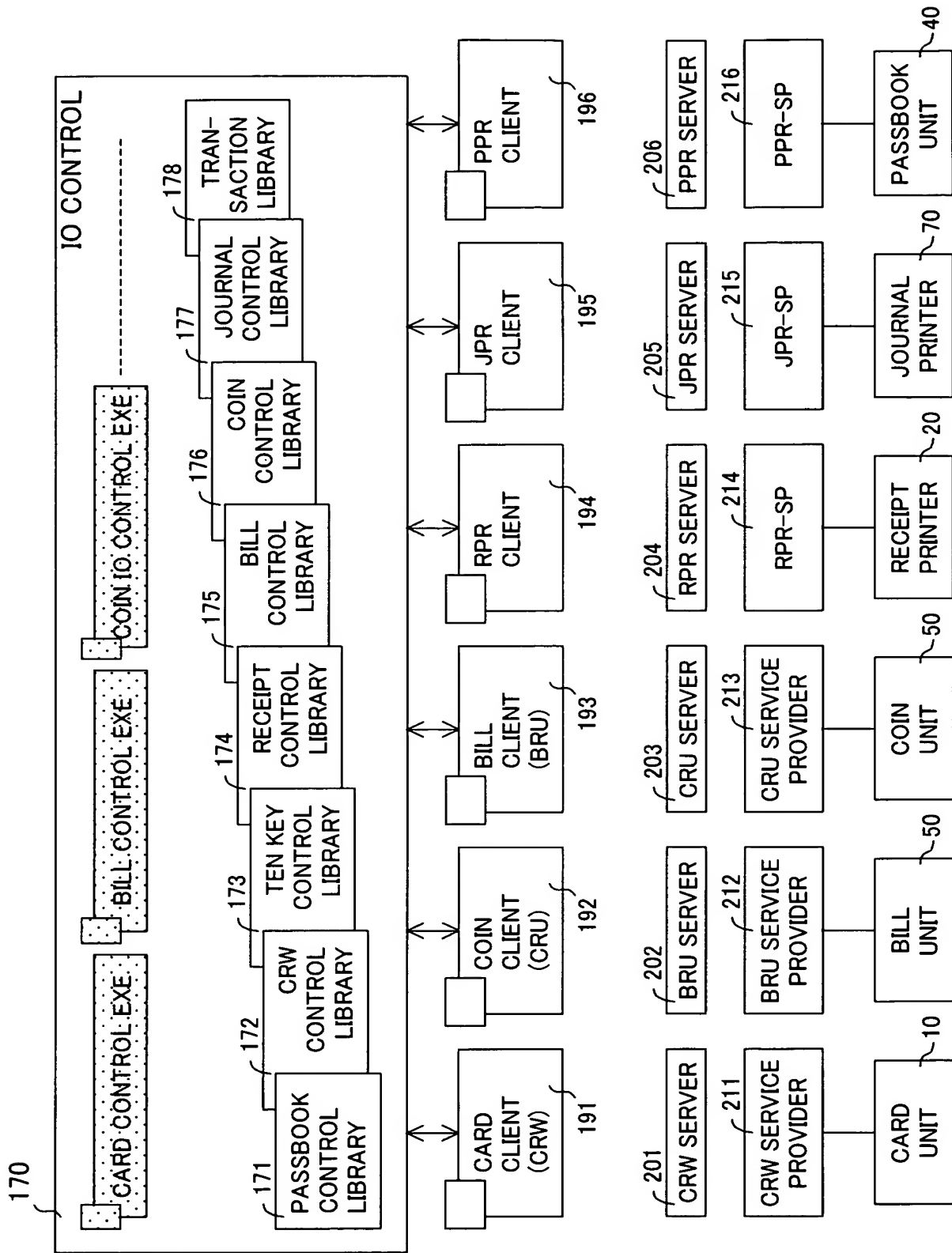


FIG. 6

COMMAND TYPE	COMMAND
CRW COMMAND	CARD INSERTION
	CARD EJECT
RPR COMMAND	PRINT
	RELEASE
PPR COMMAND	PASSBOOK INSERTION
	PRINT
	MS WRITE
	PASSBOOK EJECT
	AUTO TURN PAGE
BRU COMMAND (CRU COMMAND)	INITIALIZATION
	ACCEPTANCE/COUNTING
	STORE
	DEPOSIT RETURN
	FEED
	RELEASE
	CAPTURE
	TRANSPORT PATH CHECK
	JAM RESET

FIG. 7

AGENT		METHOD	IO CONTROLLER								
			NONE	BILL	COIN	PAS BOOK	CARD	RECEIPT	JOURNAL	TRANS-ACTION	TEN KEY
SYNCHRONIZATION	INITIALIZE		●	●	●	●	●	●	●	●	●
	MECHANISM RESET		●	●	●	●	●	●	●		
	BILL/COIN INSERT		●	●					●		
	MEDIUM SIMULTANEOUS EJECT		●	●	●	●	●				
	PRINT/FEED/MS WRITE/EJECT PREPARE		●	●	●	●	●				
	DEPOSIT RETURN		●	●							
	STORAGE		●	●							
	FORCE-EJECT/CAPTURE		●	●	●	●	●				
	OBTAIN UNIT INFORMATION/SET TRANSACTION STATUS/TWO-SCREEN DISPLAY		●	●		●	●	●	●	●	
	CANCEL										
SYNCHRONIZATION											
	DEPOSIT/WITHDRAWAL PREPARE		●	●							
	FORCE REPLENISH		●	●							
	JAM RESET		●	●							
	CARD/PASSBOOK INSERT				●						
POST	POST PROCESS	●									
	POST DATA HOLD	●									
TEXT DISPLAY	FONT SET	●									
	TEXT DISPLAY	●									
	TEXT ERASE	●									

FIG. 9

```

<HTML>
<HEAD>
<TITLE>WebATM Sample</TITLE>
</HEAD>
<BODY>

// SPECIFY AGENT WHICH IS CALLED UP IN THE SCREEN
<APPLET CODE="U_agtSync_initial.class" codebase = "http://webatm:8080/webatm"
    WIDTH="0" HEIGHT="0" NAME="U_agtSync_initial" >
</APPLET>

// MAKE MAYSRIPT DEFINITION SUCH THAT POSTAgent CALLS UP FUNCTION OF Java Script
<APPLET CODE="U_agtPost.class" codebase = "http://webatm:8080/webatm"
    WIDTH="0" HEIGHT="0" NAME="U_agtPost" MAYSCRIPT>
<SCRIPT language="javascript">
<!--
    // DEFINE FUNCTION THAT IS CALLED UP FROM POSTAgent (REQUISITE)
    function postFunc(postData){ document.sys_form.ioResponse.value = postData;
        window.document.sys_form.submit();
    }

    // CALL UP INITIAL METHOD IN SYNCHRONIZATION Agent
    ret = document.U_agtSync_initial.initial (inputParam, parseInt(postMode), parseInt(maxTimer));
    if (ret < 0) {
        // ABNORMAL NOTIFY PROCESS
        ~OMIT~
    }

    // -->
</SCRIPT>
</BODY>
</HTML>

```

FIG. 10

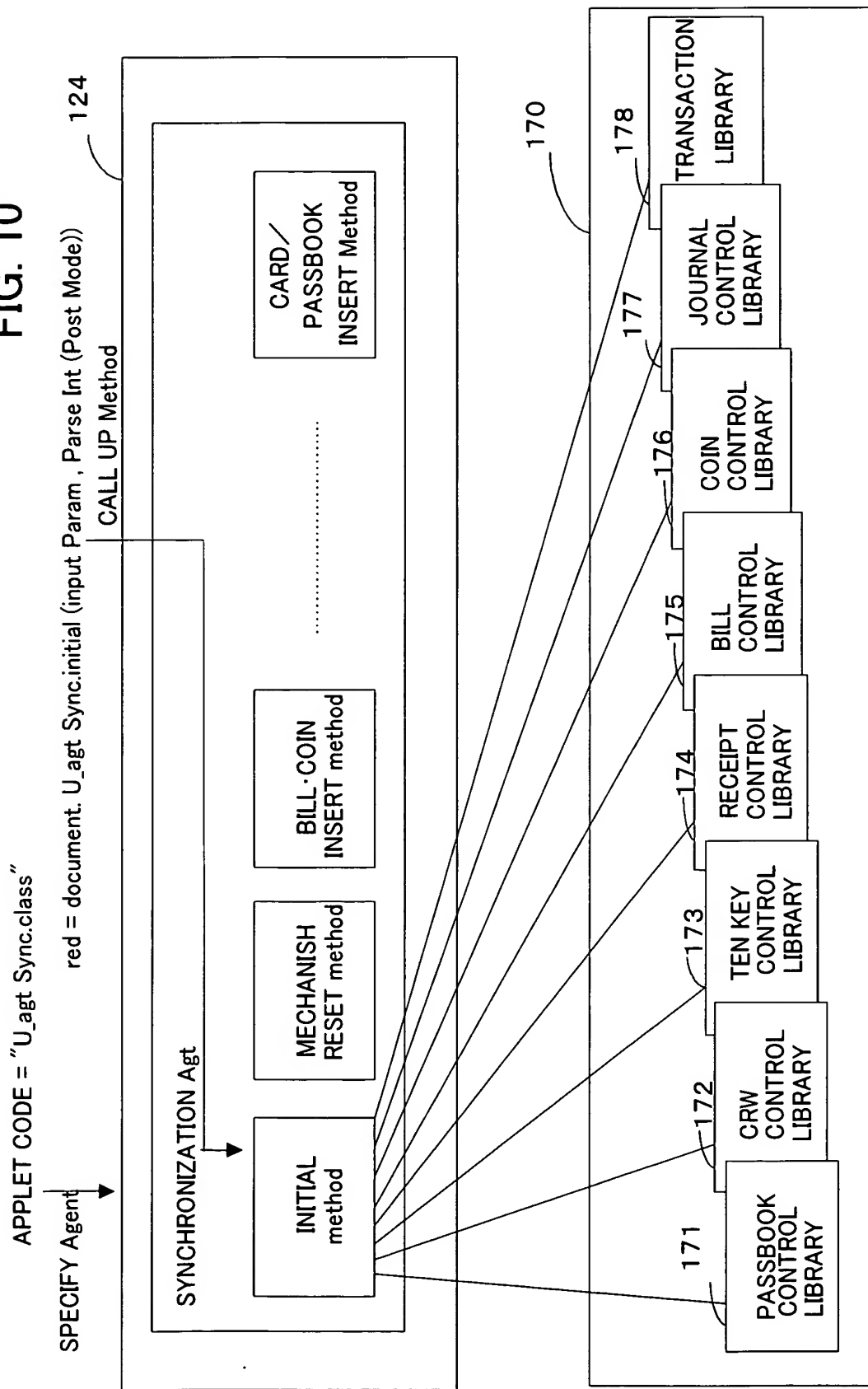


FIG. 11

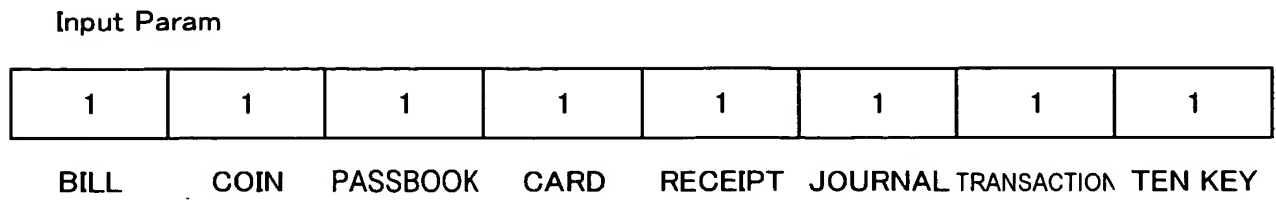


FIG. 12

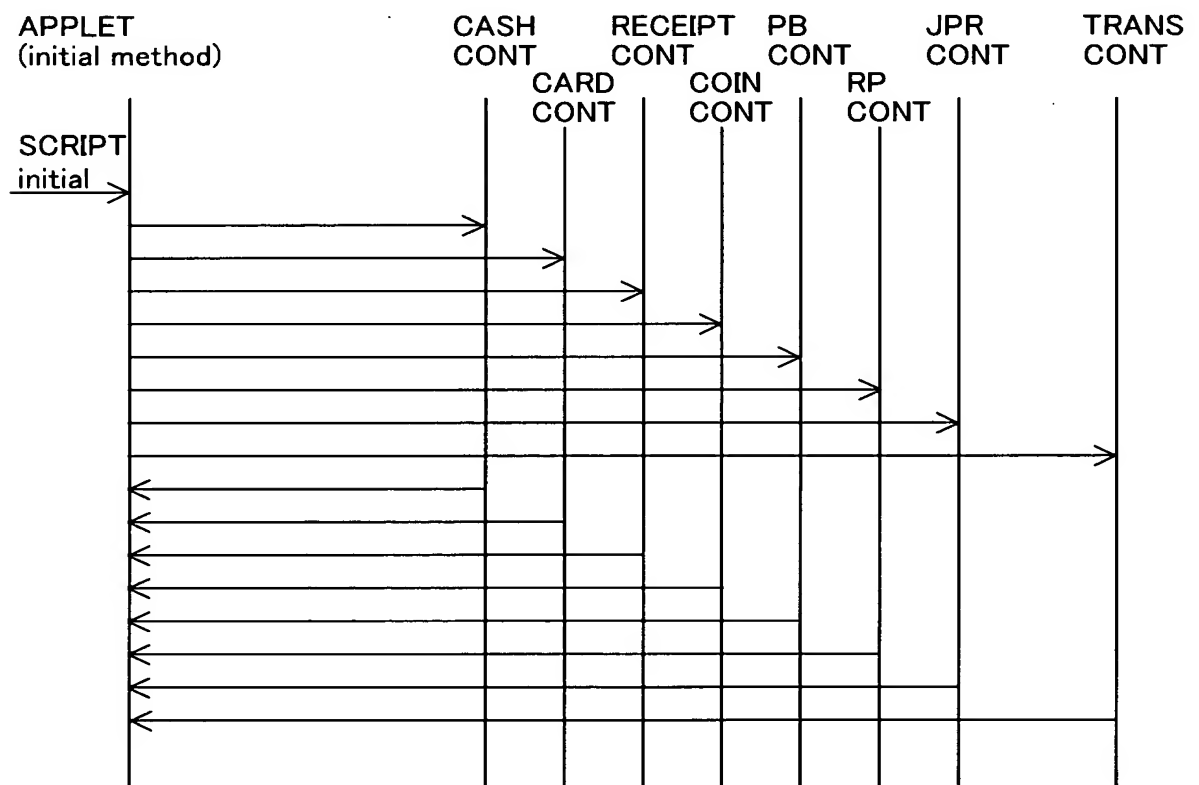


FIG. 13

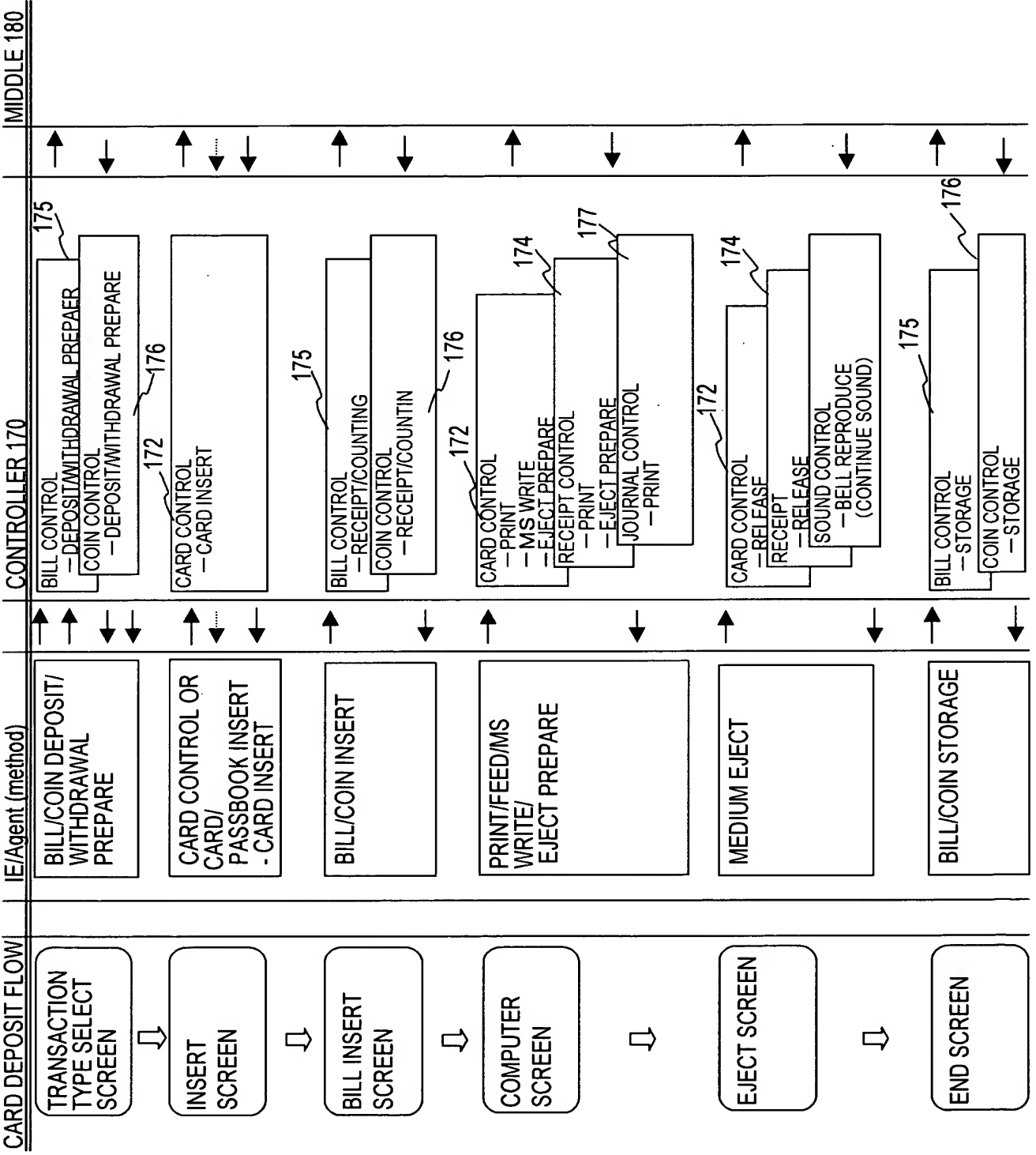
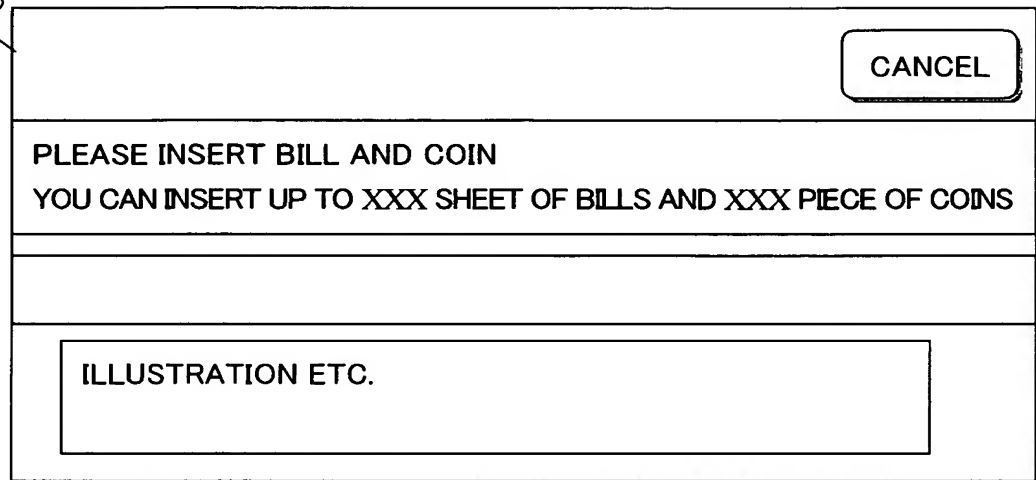


FIG. 14

INITIAL DEPOSIT SCREEN

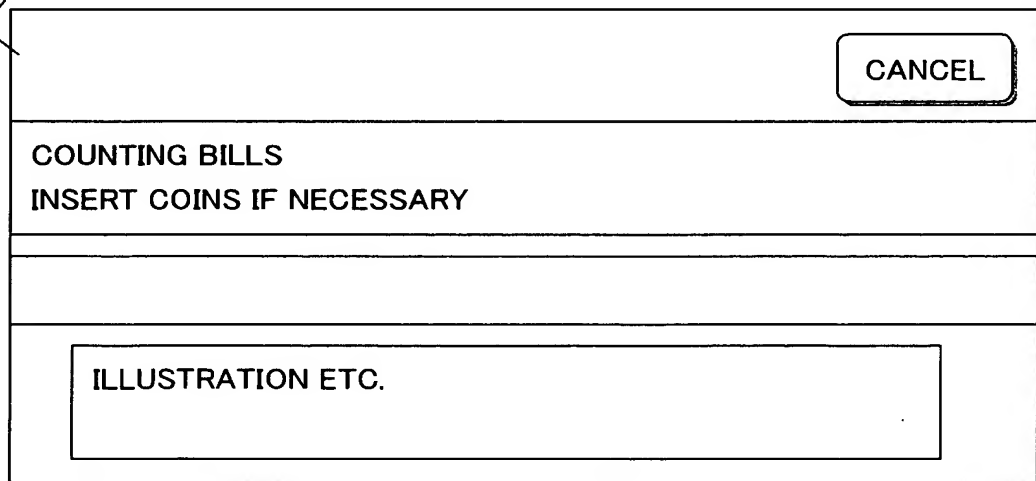


The Initial Deposit Screen is a rectangular interface divided into four horizontal sections. The top section is a header bar containing a 'CANCEL' button on the right. The second section contains the text 'PLEASE INSERT BILL AND COIN' followed by 'YOU CAN INSERT UP TO XXX SHEET OF BILLS AND XXX PIECE OF COINS'. The third section is an empty rectangular area. The bottom section contains a smaller rectangular box with the text 'ILLUSTRATION ETC.'.

<div>CANCEL</div>
PLEASE INSERT BILL AND COIN YOU CAN INSERT UP TO XXX SHEET OF BILLS AND XXX PIECE OF COINS
ILLUSTRATION ETC.



BILL INSERT SCREEN

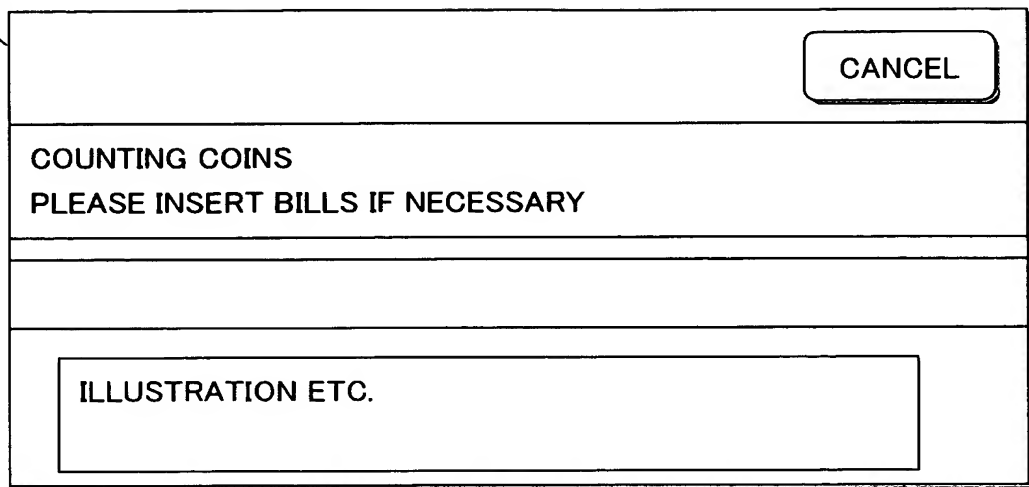


The Bill Insert Screen is a rectangular interface divided into four horizontal sections. The top section is a header bar containing a 'CANCEL' button on the right. The second section contains the text 'COUNTING BILLS' followed by 'INSERT COINS IF NECESSARY'. The third section is an empty rectangular area. The bottom section contains a smaller rectangular box with the text 'ILLUSTRATION ETC.'.

<div>CANCEL</div>
COUNTING BILLS INSERT COINS IF NECESSARY
ILLUSTRATION ETC.

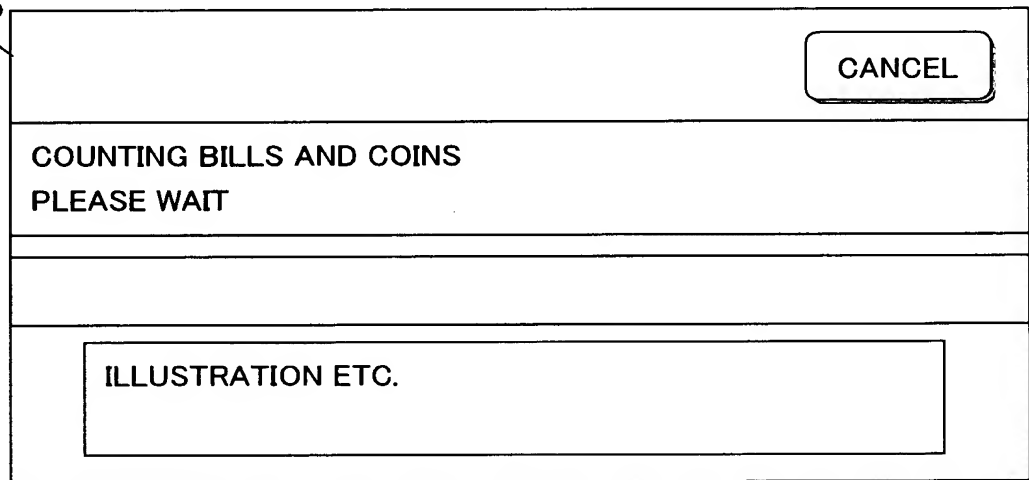
FIG. 15

COIN INSERT SCREEN



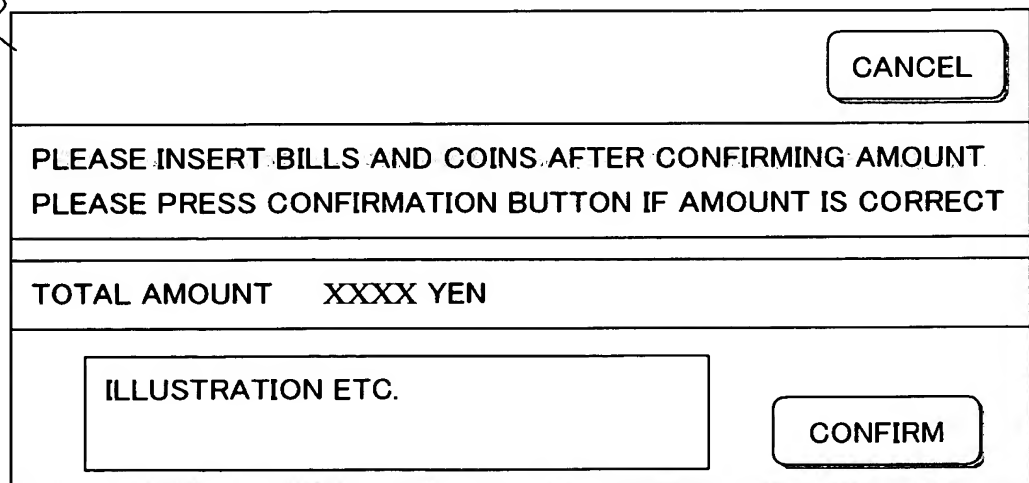
The COIN INSERT SCREEN interface consists of a rectangular frame divided into four horizontal sections. The top section is a header bar containing a 'CANCEL' button on the right. The second section contains the text 'COUNTING COINS' followed by 'PLEASE INSERT BILLS IF NECESSARY'. The third section is an empty horizontal bar. The bottom section contains a rectangular box with the text 'ILLUSTRATION ETC.'.

BILL/COIN INSERT SCREEN



The BILL/COIN INSERT SCREEN interface consists of a rectangular frame divided into four horizontal sections. The top section is a header bar containing a 'CANCEL' button on the right. The second section contains the text 'COUNTING BILLS AND COINS' followed by 'PLEASE WAIT'. The third section is an empty horizontal bar. The bottom section contains a rectangular box with the text 'ILLUSTRATION ETC.'.

ADDITIONAL INSERT SCREEN



The ADDITIONAL INSERT SCREEN interface consists of a rectangular frame divided into four horizontal sections. The top section is a header bar containing a 'CANCEL' button on the right. The second section contains the text 'PLEASE INSERT BILLS AND COINS AFTER CONFIRMING AMOUNT' followed by 'PLEASE PRESS CONFIRMATION BUTTON IF AMOUNT IS CORRECT'. The third section contains the text 'TOTAL AMOUNT' followed by 'XXXX YEN'. The bottom section contains a rectangular box with the text 'ILLUSTRATION ETC.' and a 'CONFIRM' button on the right.

FIG. 16

INVALID DEPOSIT RETURN

		CANCEL
RETURN MONEY SHUTTER IS CLOSED AFTER REMOVING MONEY		
TOTAL AMOUNT	XXXX YEN	
<div>ILLUSTRATION ETC.</div>		

FIG. 17

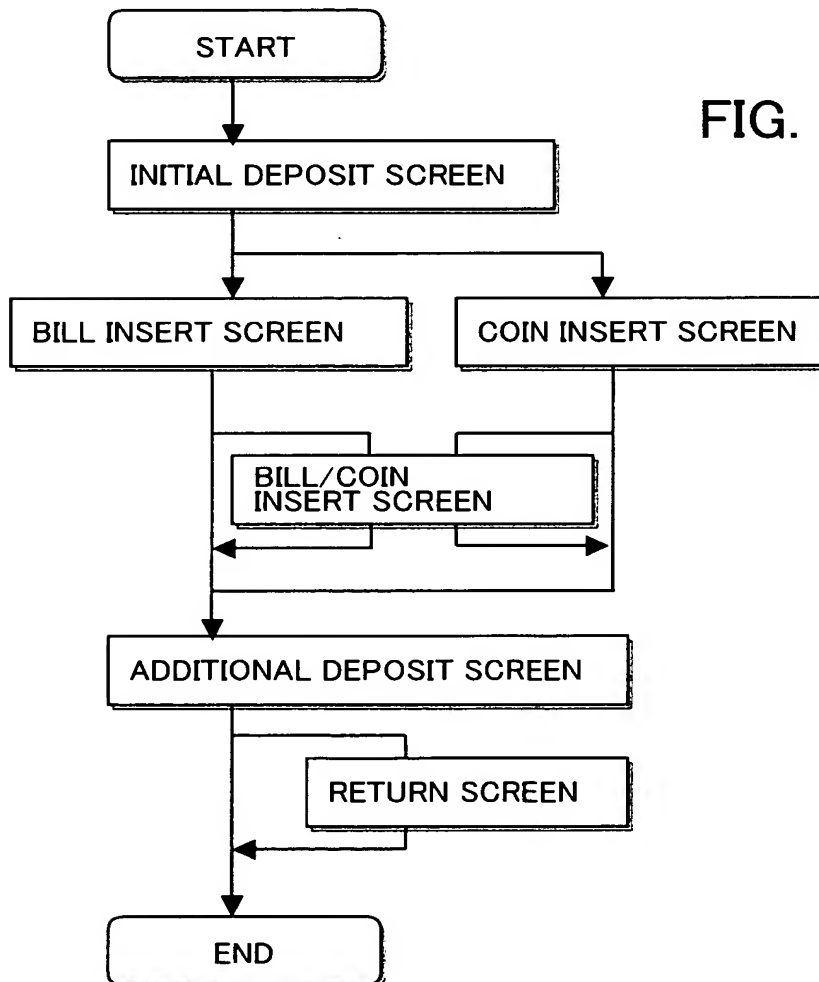
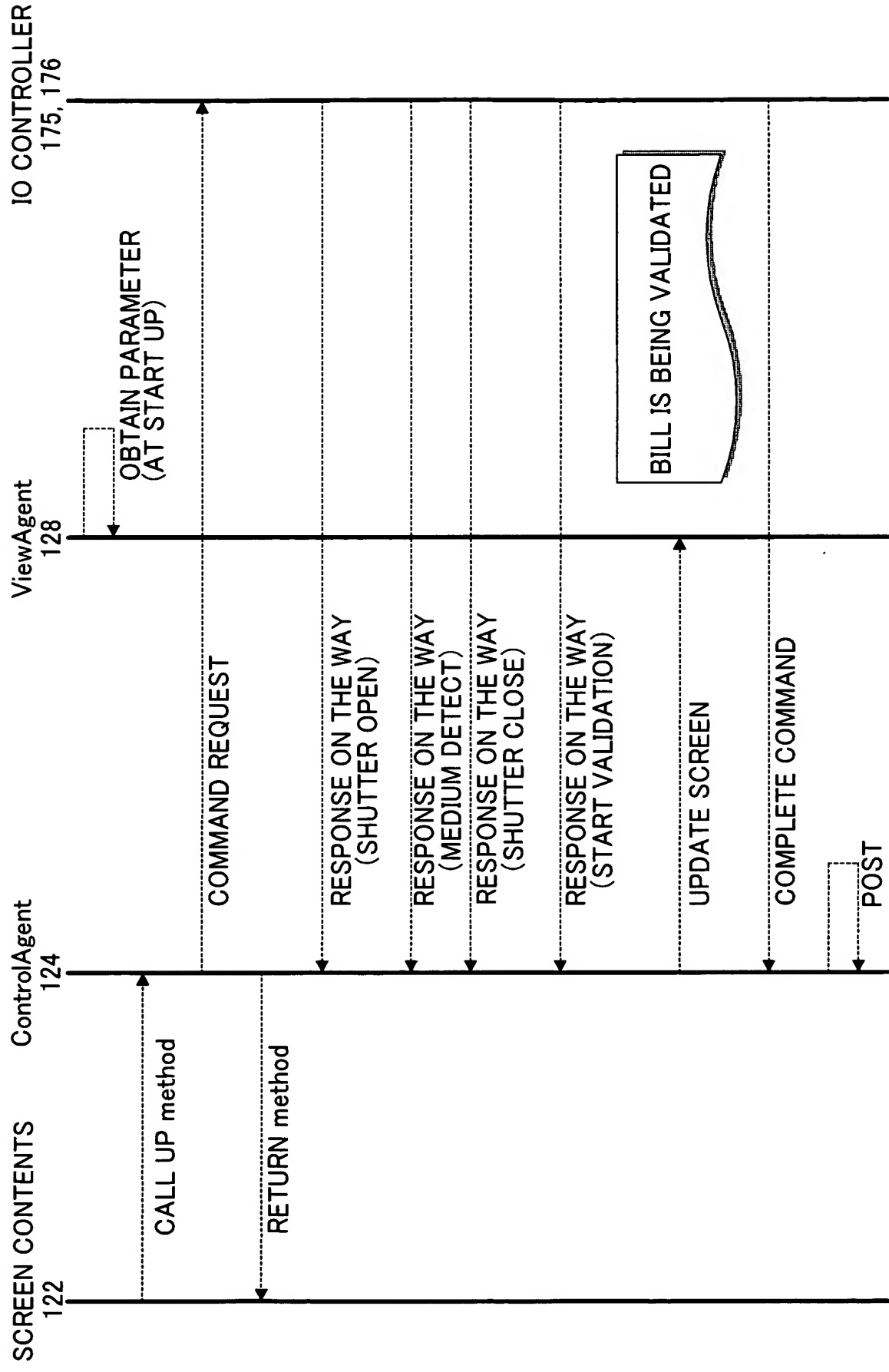


FIG. 18




```

<HTML>
<HEAD>
<TITLE> Web ATM Sample</TITLE>
<META http-equiv="Content-Type" content="text/html; charset=shift_jis">
</HEAD>
<BODY background="http://webatm:8080/webatm/xxx.bmp">

// SPECIFY Agent which is called up in the screen
<APPLET CODE="U_agtSync_insertCash.insertCash" CODEBASE="http://webatm:8080/webatm"
    WIDTH=0 HEIGHT=0 NAME="U_agtSync_insertCash" MAYSCRIPT>
</applet>

// MAKE MAYSCRIPT definition such that POSTAgent calls up function of JavaScript
<APPLET CODE="U_agtPost" CODEBASE = "http://webatm:8080/webatm"
    WIDTH=0 HEIGHT=0 NAME="U_agtPost" MAYSCRIPT>
</applet>

// SPECIFY View Agent
<APPLET CODE="U_agtView" CODEBASE="http://webatm:8080/webatm"
    WIDTH=100 HEIGHT=100 ALIGN=LEFT HSAPCE=10 VSPACE=10 NAME="U_agtView">
    <PARAM NAME=fontKind    Value="Serif">
    <PARAM NAME=fontPoint   Value="14">
    <PARAM NAME=fontStyle    Value="Bold">
    <PARAM NAME=fontColor    Value="Red">
    <PARAM NAME=fontColor    Value="Red">
    <PARAM NAME=background   Value="black">
    <PARAM NAME=startX       Value="10">
    <PARAM NAME=startY       Value="10">
    <PARAM NAME=endX         Value="100">
    <PARAM NAME=endY         Value="80">
    <PARAM NAME=text         Value="BILL IS BEING VALIDATED">
</applet>

<SCRIPT language="javascript">
<!--
    // DEFINE FUNCTION which is called up from POSTAgent (requisite)
    function postFunc(postData){
        document.sys_form.ioResponse.value = postData;
        window.document.sys_form.submit();
    }
-->
</SCRIPT>
<FORM name="sys_form" method="post" action="http://webatm:8080/webatm/main.jsp">
    ~OMIT~
    <font size=10>PLEASE INSERT BILL/COIN </font>
    <BR>
    <HR>
</FORM>
<SCRIPT language="javascript">
<!--
    //CALL UP ControlAgent
    ret = document.U_agtSync_insertCash.insertCash(insertCashMode,inputParam,postMode,maxTimer);
    if(ret < 0) {
        //ABNORMAL NOTIFY PROCESS
        ~OMIT~
    }
-->
</SCRIPT>
</BODY>
</HTML>

```

FIG. 19

PARAMETER definition of ViewAgent

FIG. 20

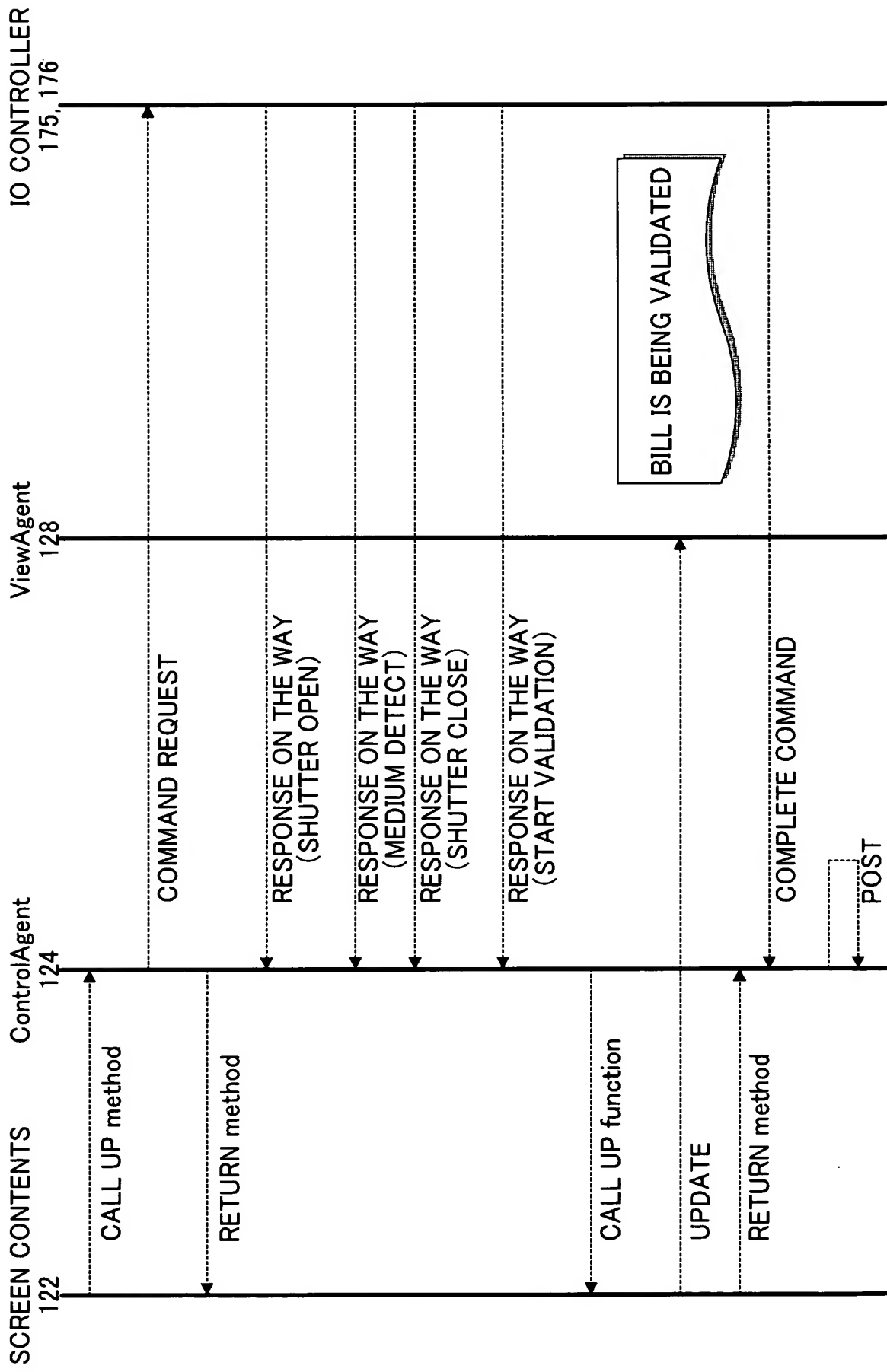


FIG. 21

```

<HTML>
<HEAD>
<META http-equiv="Content-Type" content="text/html; charset=shift_jis">
<TITLE>WebATM sample</TITLE>
</HEAD>
<BODY background="http://webatm:8080/webatm/xxx.bmp">

// SPECIFY Agent which is called up in the screen
<applet code="U_agtSync_insertCash.insertCash" codebase="http://webatm:8080/webatm"
width=0 height=0 name="U_agtPost" MAYSCRIPT>
</applet>

// MAKE MAYSCRIPT definition such that POSTAgent calls up function of JavaScript
<applet code="U_agtPost" codebase = "http://webatm:8080/webatm"
width=- height=p name="U_agtPost" MAYSCRIPT>
</applet>

// SPECIFY View Agent
<applet code="U_agtView" codebase="http://webatm:8080/webatm"
width=100 height=100 align=left hspace=10 vspace=10 name="U_agtView">
</applet>

<SCRIPT language="javascript">
<!--
    // DEFINE FUNCTION which is called up from POSTAgent (requisite)
    function postFunc (postData){
        document.sys_form.ioResponse.value = postData;
        window.document.sys_form.submit();
    }

    //DEFINE FUNCTION which is called up from ControlAgent (requisite)
    function insertCashFunc(eventKind, billVal, coinVal){
        switch (eventKind){
            case 1: //START VALIDATION (BILL)
                // CALL UP ViewAgent
                ret =document.U_agtView.setFont (fontKind, fontPoint, fontStyle, fontColor, background);
                ret =document.U_agtView.showText (startX, startY, endX, endY, text);
                break;
            case 2: //START VALIDATION (COIN)
                ~ OMIT ~
            case n: //END VALIDATION (BILL/COIN)
                ~ OMIT ~
        }
    }
}
-->
</SCRIPT>
<FORM name="sys_form" method="post" action="http://webatm:8080/webatm/main.jsp">
    ~ OMIT ~
    <font size=10>PLEASE INSERT BILL/COIN </font>
    <BR>
    <HR>
</FORM>
<SCRIPT language="javascript">
<!--
    //CALL UP ControlAgent
    ret = document.U_agtSync_insertCash.insertCash (insertCashMode, inputParam, postMode, maxTimer);
    if(ret < 0) {
        //ABNORMAL NOTIFY PROCESS
        ~ OMIT ~
    }
}
-->
</SCRIPT>
</BODY>
</HTML>

```

FIG. 22

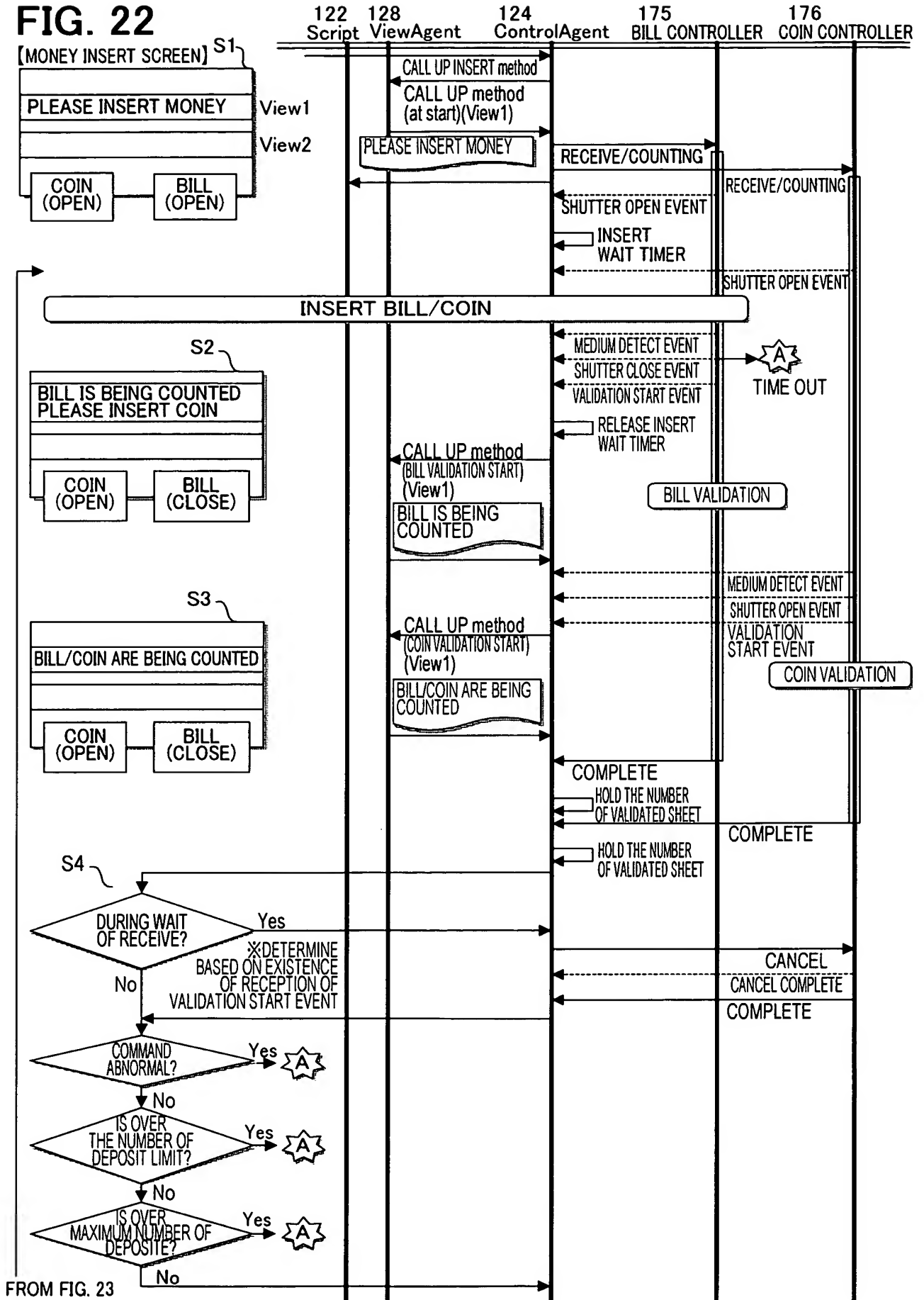


FIG. 23

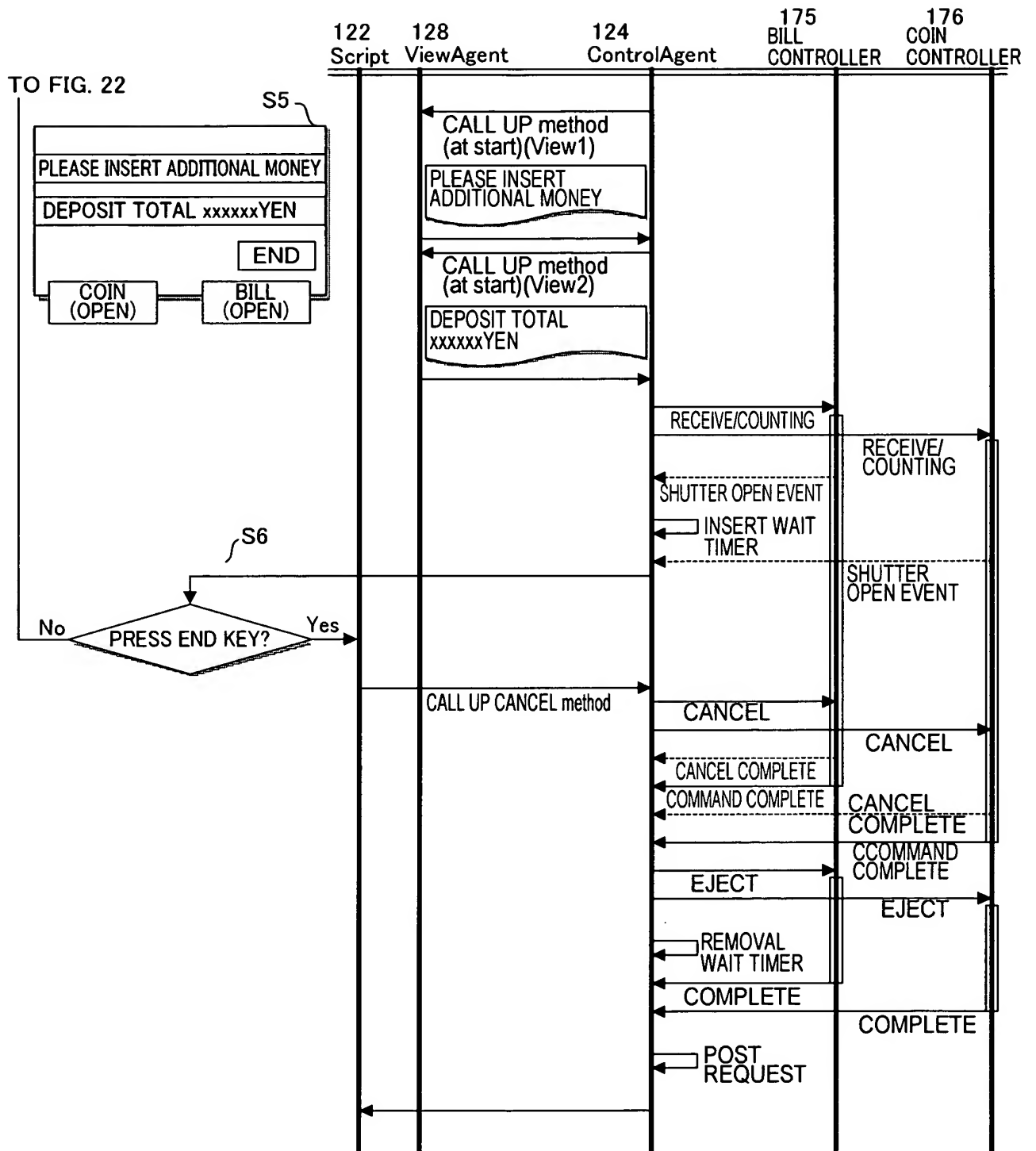


FIG. 24

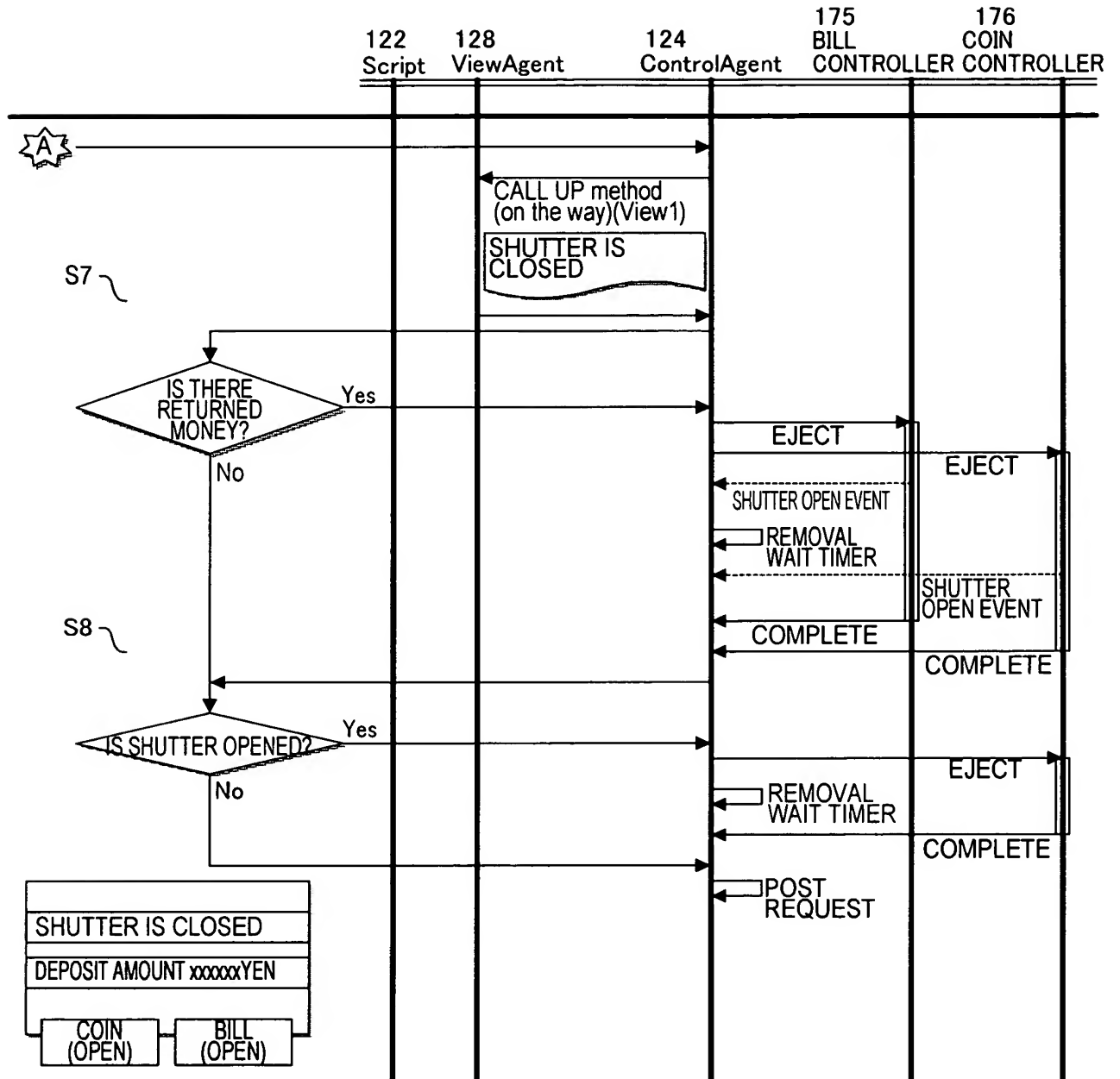


FIG. 25

AGENT	METHOD	IO CONTROLLER								
		NONE	BILL	COIN	PAS BOOK	CARD	RECEIPT	JOURNAL	TRANS- ACTION	TEN KEY
SYNCHRONIZATION	INITIALIZE		●	●	●	●	●	●	●	●
	MECHANISM RESET		●	●	●	●	●	●		
	BILL/COIN INSERT		●	●				●		
	MEDIUM SIMULTANEOUS EJECT		●	●	●	●	●			
	PRINT/FEED/MS WRITE/EJECT PREPARE		●	●	●	●	●	●		
	DEPOSIT RETURN		●	●						
	STORAGE		●	●						
	FORCE-EJECT/CAPTURE		●	●	●	●	●			
	OBTAIN UNIT INFORMATION/SET TRANSACTION									
	STATUS/TWO-SCREEN DISPLAY		●	●	●	●	●	●	●	●
	DEPOSIT/WITHDRAWAL PREPARE		●	●						
	FORCE REPLENISH		●	●						
	JAM RESET		●	●						
	CARD/PASSBOOK INSERT				●	●	●			
POST	POST PROCESS	●								
	POST DATA HOLD	●								
TEXT DISPLAY	FONT SET	●								
	TEXT DISPLAY	●								
	TEXT ERASE	●								

FIG. 26

```
<HTML>
<HEAD>
<TITLE>WebATM Sample</TITLE>
</HEAD>
<BODY>

// SPECIFY AGENT WHICH IS CALLED UP IN THE SCREEN
<APPLET CODE="U_agtSync.class" codebase = "http://webatm:8080/webatm"
    WIDTH="0" HEIGHT="0" NAME="U_agtSync" >
</APPLET>

// MAKE MAYSCRIPT DEFINITION SUCH THAT POSTAgent CALLS UP FUNCTION OF Java Script
<APPLET CODE="U_agtPost.class" codebase = "http://webatm:8080/webatm"
    WIDTH="0" HEIGHT="0" NAME="U_agtPost" MAYSCRIPT>
<SCRIPT language="javascript">
<!--
    // DEFINE FUNCTION THAT IS CALLED UP FROM POSTAgent (REQUISITE)
    function postFunc(postData){ document.sys_form.ioResponse.value = postData;
        window.document.sys_form.submit();
    }

    // CALL UP INITIAL METHOD IN SYNCHRONIZATION Agent
    ret = document.U_agtSync_initial (inputParam, parseInt(postMode), parseInt(maxTimer));
    if (ret < 0) {
        // ABNORMAL NOTIFY PROCESS
        ~OMIT~
    }

// -->
</SCRIPT>
</BODY>
</HTML>
```


FIG. 27

PRIOR ART

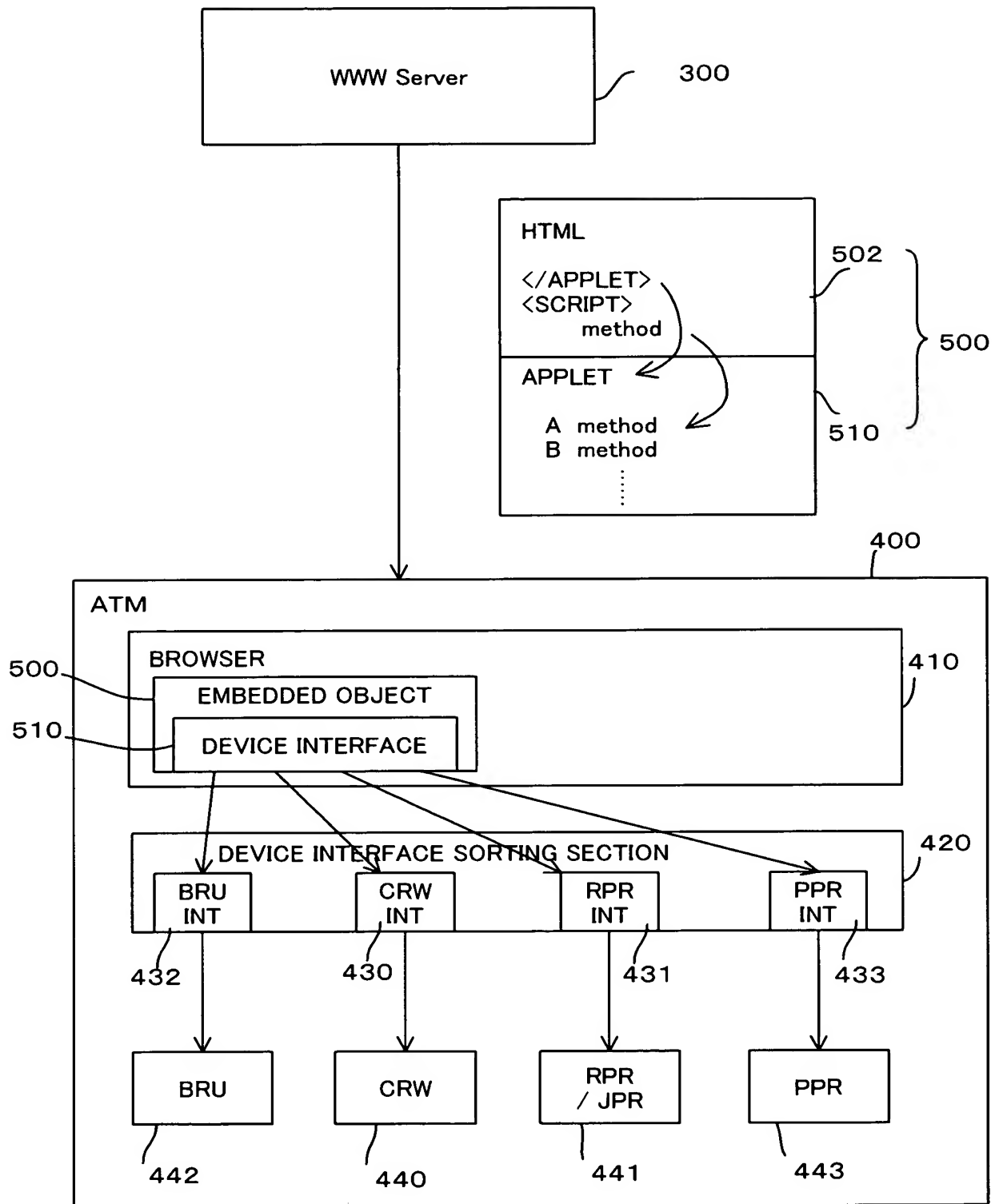


FIG. 28

PRIOR ART

```

<HTML>
(PROGRAM DISCRIPTION OF SCREEN IMAGE) OMIT
<applet code=MachineIF.class codebase=MachineIF id=IDMachinesIF>
</applet> ..... ( D 1 )
<script>
// INITIALIZE EACH DEVICE
FunctionInitialize{
    IDMachineIF. Initialize("Cash");
    IDMachineIF. Initialize("Card");
    IDMachineIF. Initialize("Receipt");
    IDMachineIF. Initialize("Passbook");
}
</script>
(PROGRAM DISCRIPTION OF SCREEN IMAGE) OMIT
</HTML>
    
```

FIG. 29

PRIOR ART

